

Abstract

The object of this invention is to provide a non-calcined clay composite used as building materials capable of promoting humans' health and being desirably used irrespective of location, which is improved in terms of strength without calcining clay. Because the non-calcined clay composite is produced without calcining clay, the process of producing it is simplified and its productivity is improved. The non-calcined clay composite includes 50 to 90 wt% clay, 2 to 30 wt% lime, 4 to 48 wt% blast furnace slag, 0.04 to 0.9 wt% alkaline chemical, and water as a balance, and has high compression strength due to an ionic coagulation reaction, a pozzolan reaction, and a latent hydraulic reaction.